



IFW

SUBSTITUTE PTO/SB/21 (02-04)  
Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

23

Application Number

10/672,892

Filing Date

September 26, 2003

First Named Inventor

ALFERIEV, Ivan

Art Unit

1711

Examiner Name

Rachel F. Gorr

Attorney Docket Number

T1118/20076

### ENCLOSURES (Check all that apply)

☐ Fee Transmittal Form (In duplicate)

☐ Fee Attached

☐ Amendment/Reply

☐ After Final

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☒ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/  
Incomplete Application

☐ Response to Missing Parts  
under 37 CFR 1.52 or 1.53

☐ Assignment and Cover Sheet

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition

☐ Petition to Convert to a  
Provisional Application

☐ Power of Attorney, Revocation  
Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s) \_\_\_\_\_

Remarks

☐ After Allowance communication  
to Technology Center (TC)

☐ Appeal Communication to Board  
of Appeals and Interferences

☐ Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Letter

☒ Other Enclosure(s) (please  
Identify below):

Return Receipt Postcard  
PTO-1449 and Cited References

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm  
or  
Individual name

Marina E. Volin, Reg. No. 52,328

Signature

*Marina E. Volin*

Date

May 28, 2004

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name

Marina E. Volin

Signature

*Marina E. Volin*

Date

May 28, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT EXAMINING OPERATION

First Named Inventor: ALFERIEV, IVAN

Serial No: 10/672,892

Group Art Unit: 1711

Filed: September 26, 2003

Examiner: Rachel F. Gorr

Att. Docket No.: T1118/20076

Confirmation No.: 9557

For: DERIVATIZED POLYURETHANE COMPOSITIONS WHICH EXHIBIT  
ENHANCED STABILITY IN BIOLOGICAL SYSTEMS AND METHODS  
OF MAKING THE SAME

**INFORMATION DISCLOSURE STATEMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference listed on the attached PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference be made of record therein and appear among the "References Cited" on any patent to issue therefrom. No representation is made that the reference is prior art with respect to this application.

This Information Disclosure Statement is being filed after the period specified in 37 CFR § 1.97(b), but before the mailing date of any of a final action under 37 CFR § 1.113, a Notice of Allowance under 37 CFR § 1.311 or an action that otherwise closes prosecution in the application. Accordingly, I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Accordingly, no fee is due. 37 CFR § 1.97(c)(1) and (e)(1).

Application No. 10/672,892  
Information Disclosure Statement Dated May 28, 2004

The reference cited in this Information Disclosure Statement (U.S. 4,521,564) was cited in corresponding PCT Application No. PCT/US03/30433. A copy of the International Search Report is attached for the Examiner's reference.

Respectfully submitted,

CAESAR, RIVISE, BERNSTEIN,  
COHEN & POKOTILOW, LTD.

May 27, 2004

By Marina E. Volin

Marina E. Volin

Registration No. 52,328

Customer No. 03000

(215) 567-2010

Attorneys for Applicant(s)

Please charge or credit our  
Account No. 03-0075 as  
necessary to affect entry and/or  
ensure consideration of this  
submission.

Please type a plus sign (+) inside this box ☐

Substitute for PTO/SB/08A (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for Form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheet as necessary)

Complete if Known

Application Number	10/672,892
Filing Date	September 26, 2003
First Named Inventor	Ivan Alferiev
Group Art Unit	1711
Examiner Name	Not yet known
Attorney Docket Number	T1118/20076

Sheet 1 of 1

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
		4,521,564		Solomon et al.	June 6, 1985
		5,073,575		Blanch et al.	12-17-91
		5,134,035		Kumar et al.	7-28-92
		6,320,011	B1	Levy et al.	11-20-2001
		10/672,892		Alferiev, et al.	09-26-2003
		10/672,225		Alferiev, et al.	09-26-2003
		10/672,893		Alferiev et al.	09-26-2003
		5,855,618		Patnaik et al.	01-05-1999
		5,159,050		Onwumere	10-27-1992
		4,746,654		Breliere et al.	05-24-1988
		4,642,242		Solomon et al.	02-10-1987

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			

## **OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		PHANEUF, M.D. et al., "Covalent Linkage of Recombinant Hirudin to a Novel Ionic Poly (Carbonate) Urethane Polymer with Protein Binding Sites: Determination of Surface Antithrombin Activity", Artif. Organs 1998; 22:657-65	
		HUANG L.L.H. et al., "Comparison of Epoxides on Grafting Collagen to Polyurethane and Their Effects on Cellular Growth", J. Biomed. Mater. Res. 1998; 39:630-6	
		LINCOFF et al., J.Am. Coll. Cardiol., 29, 808.16 (1997)	
		ADIBI et al., 1979, Polymer 20:483-487	
		MIKROYANNIDIS, 1984, J. Polymer Sci., Polymer Chem. Ed. 22:891-903	
		BAUMGARTNER et al., 1996, ASAIO J. 42:M476-M479	
		GRASEL et al., 1987, J. Biomed. Mat. Res. 21:815-842	
		SIVRIEV H et al., "Phosphorus-Containing Polyurethanes, Prepared by N-Modification", European Polymer Journal, 1990, pgs. 73-76, Vol. 26, No. 1, Pergamon Press Ltd., Oxford, GB	
		JOSHI, R. et al., "Calcification of Polyurethanes Implanted Subdermally in Rats is Enhanced by Calciphylaxis", Journal of Biomedical Materials Research, Vol. 31, Pgs. 201-207, John Wiley & Sons, 1996	

EXAMINER

DATE CONSIDERED

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.